

# ABSTRACT

Disclosed herein is a two-piece solid golf ball  
5 consisting of a solid core and a cover, the solid core being  
formed from a rubber composition composed of a rubber base  
material of polybutadiene synthesized by using a catalyst of  
rare earth element, a small amount of organic peroxide, an  
unsaturated carboxylic acid and/or a metal salt thereof, an  
10 organic sulfur compound, and an inorganic filler, and the  
cover being formed mainly from a mixture of an  
ionomer-containing resin composition and an inorganic filler.  
The two-piece solid golf ball is by far superior to  
conventional ones in flying performance, cover durability,  
15 scuff resistance, and shot feeling.